NOAA and other Agency Projects related to Alexandrium in the Northeastern US

Funding Agency	Principal Investigator	Institution	Title
NOAA Center for Sponsored Coastal Ocean Research	Thomas, A.	University of Maine, ME	Oceanographic links to *Alexandrium*-imposed toxicity in the Gulf of Maine
NOAA Center for Sponsored Coastal Ocean Research	Anderson, D.	Woods Hole Oceanographic Institution, MA	*Alexandrium* spp. cyst dynamics in the Gulf of Maine: delivery, deposition, and resuspension
NOAA Center for Sponsored Coastal Ocean Research	Hoagland, P.	Woods Hole Oceanographic Institution, MA	Economic impacts of HAB events and the value of scientific predictions
NOAA Center for Sponsored Coastal Ocean Research	Frost, B.W.	University of Washington, WA	The relationship between paralytic shellfish toxins and *Alexandrium* cysts in Puget Sound, Washington
NOAA Center for Sponsored Coastal Ocean Research	Lefebvre, K.	NOAA Northwest Fisheries Science Center, WA	Effects of algal toxin exposure in early life history stages of fish
NOAA Center for Sponsored Coastal Ocean Research	McGillicuddy, D.	Woods Hole Oceanographic Institution, MA	Predictive models of the toxic dinoflagellate *Alexandrium fundyense* in the gulf of Maine: quantitative evaluation, refinement, and transition to operational mode for coastal management
NOAA Center for Sponsored Coastal Ocean Research	Connell, L.	University of Maine, ME	A molecular basis for different susceptibility and accumulation of PSP toxins in commercial bivalves
NOAA Center for Sponsored Coastal Ocean Research	Dam, H.G.	University of Connecticut/Avery Point, CT	Ecological and evolutionary consequences of spreading of *Alexandrium* to grazers, and implications for bloom formation and maintenance
NOAA Center for Sponsored Coastal Ocean Research	Durbin, E.	University of Rhode Island, RI	The role of zooplankton grazers in harmful algal bloom dynamics
NOAA Center for Sponsored Coastal Ocean Research	Trainer, V.	NOAA Northwest Fisheries Science Center, WA	Mechanisms and control of toxin accumulation in shellfish
NOAA Center for Sponsored Coastal Ocean Research	Heil, C.	Florida Fish & Wildlife Research Institute, FL	Humic acid utilization by the HAB dinoflagellates *Karenia brevis* and *Alexandrium tamarense*: application of a new radioisotopic technique
NOAA Center for Sponsored Coastal Ocean Research	McGuillicuddy, D.	Woods Hole Oceanographic Institution, MA	*Alexandrium* bloom transport: Observation and models
NOAA Center for Sponsored Coastal Ocean Research	Dyhrman, S.	Woods Hole Oceanographic Institution, MA	Career 2004: Harmful Algae Research Program - A Coastal Development Initiative for Undergraduates
NOAA Center for Sponsored Coastal Ocean Research; NSF	Anderson, D.	Woods Hole Oceanographic Institution, MA	ECOHAB Gulf of Maine - The ecology and oceanography of toxic Alexandrium blooms in the Gulf of Maine
NOAA Center for Coastal Environmental Health and Biomolecular Research	*Van Dolah, F.*	*NOAA Center for Coastal Environmental Health and Biomolecular Research*	*Evaluation of the potential for a roe-on scallop industry in the Northeast US*

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NOAA Center for Coastal Environmental Health and Biomolecular Research	Van Dolah, F.	NOAA Center for Coastal Environmental Health and Biomolecular Research	Laboratory validation of paralytic shellfish poisoning detection method
NOAA Center for Coastal Environmental Health and Biomolecular Research	Doucette, G.	NOAA Center for Coastal Environmental Health and Biomolecular Research	PSP Toxins in the North Atlantic Right Whales (*Eubalaena glacialis*) and their zooplankton prey in the Bay of Fundy
NOAA Oceans and Human Health Initiative	Jellet, J.	Jellett Rapid Testing Limited, Canada	Investigations into the use of lateral flow tests for the detecting and monitoring of shellfish toxins
NOAA Sea Grant	Plumley, F.	University of Alaska, AK	Identification of the cyanobacterial "saxitoxin genes"
NOAA Sea Grant	Plumley, F.	University of Alaska, AK	Paralytic shellfish poisoning: Bacteria as regulators or *Alexandrium* growth and toxin synthesis
NOAA Sea Grant	Plumley, F.	University of Alaska, AK	Molecular biology of paralytic shellfish poisoning: role of prokaryotes in toxin production
NOAA Sea Grant	Anderson, D.	Woods Hole Oceanographic Institution, MA	Dynamics of the toxic dinoflagellate *Alexandrium* in the Gulf of Maine: Source populations and downstream impacts
NOAA Sea Grant	Anderson, D.	Woods Hole Oceanographic Institution, MA	Detection of harmful algal species using molecular probes: Field Trials
NOAA Sea Grant	Boyer, G.	State University of New York at Buffalo, NY	Construction and testing of an inexpensive PSP Toxin Analyzer
NSF/NIEHS OHH	Anderson, D.	Woods Hole Oceanographic Institution, MA	*Alexandrium* population biology in the Gulf of Maine
NSF/NIEHS OHH	McGuillicuddy, D.	Woods Hole Oceanographic Institution, MA	Hydrodynamic forcing of *Alexandrium* population biology
NSF	Durbin, E.	University of Rhode Island, RI	Zooplankton grazing of toxic *Alexandrium* spp. as a mechanism in the control of bloom formation and toxin transfer
NSF	Kvitek, R.	California State University / Monterey Bay, CA	Influence of harmful algal blooms on the distribution and ecology of high level marine predators
EPA	Dam, H.	University of Connecticut/Avery Point, CT	Ecological and evolutionary consequences of spreading HAB's: local adaptation of copepod grazers to *Alexandrium* spp.
EPA	Dyhrman, S.	Woods Hole Oceanographic Institution, MA	The development of a single-cell field diagnostic for nitrogen limitation in harmful algae
EPA	Wikfors, G.	NOAA Northeast Fisheries Science Center, CT	Trophic effects of two dinoflagellates
NASA	Roesler, C.	Bigelow Laboratory for Ocean Sciences, ME	Ecophysiology of subpopulations of *Alexandrium tamarense*